

Title (en)

FAST TWO DIMENSIONAL OBJECT LOCALIZATION BASED ON ORIENTED EDGES

Title (de)

SCHNELLE ZWEIDIMENSIONALE OBJEKTLOKALISIERUNG AUF DER BASIS ORIENTIERTER RÜNDER

Title (fr)

LOCALISATION RAPIDE D'UN OBJET BIDIMENSIONNEL BASEE SUR DES CONTOURS ORIENTES

Publication

EP 1547014 A2 20050629 (EN)

Application

EP 03799270 A 20030827

Priority

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- US 26276202 A 20021002

Abstract (en)

[origin: US2004066964A1] A method for object localization comprises defining an edge model for object localization, and searching an image for an object matching the edge model. Searching comprises defining a region of interest, including a portion of the object, sub-sampling the region of interest, and extracting an edge image comprising edges from the region of interest. Searching further comprises thinning at least one edge of the edge image, determining a distance map between the image and the edge image according to a distance transformation, and matching the edge model to the edge image within a search area defined according to the distance map.

IPC 1-7

G06T 7/00; G06K 9/00

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2004032057A2

Cited by

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